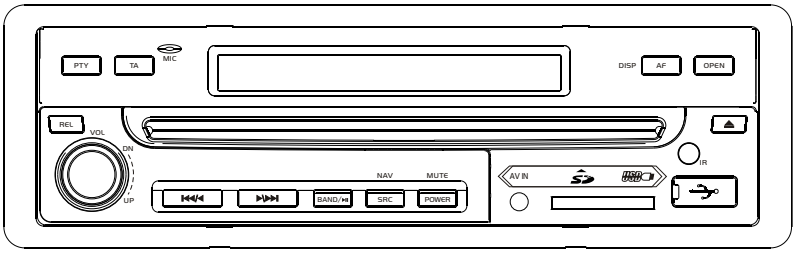
ORION

AVM-57188BTG

DVD/VCD/CD/WMA/MP3 PLAYER WITH FM/MW RECEIVER

BUILT-IN NAVIGATION SYSTEM

INSTRUCTION MANUAL



50WX4 MOSFET

AV MULTIMEDIA SYSTEM

7-INCH TOUCH SCREEN

PLEASE READ THIS MANUAL BEFORE USING THE EQUIPMENT.

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Thank you for buying this product, please read through these operating instructions, so you will know how to operate your model properly.
After you have finished reading the instructions, put them away in a safe place for future reference .

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Note:
Due to continuous product improvement, specifications and design are subject to change without prior notice.

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PRECAUTIONS

PRECAUTIONS

1. Be sure to connect the color coded leads according to the diagram.
Incorrect connections may cause the unit to malfunction or damage the vehicles electrical system.
2. Be sure to connect the speaker (-) leads to the speaker (-) terminal.
Never connect the left and right channel speaker cables each other or to the vehicle body.
3.Make sure all the connections are completely correct before turning on your unit.
4. When replacing the fuse(s), the replacement must be of the same amperage as shown on the fuse holder.
5. Do not block vents or radiator panels.
Doing so many cause heat to build up inside and may result in fire.
6 After completing the installation and beginning to play the unit
(including replacing the battery),
please press RESET button on the front panel with pointed object
(such as ballpoint pen) to set the unit to initial status.

Replaclng the Fuse
Make sure the amperage matches the specified value when replacing the fuses.
If the fuse is blown, check the power connection and replace with a new one.
If the same problem occurs, It would be subjected to the malfunction in-house.
In such cases, please consult the nearest service dealer.

WARNING:
Never use the fuse with the rated amperage more than that supplied to your unit, other wise It will damage the unit.

IMPORTANT:
Please adjust screen to make the touching effect function best when you initiate the unit for the first time.
For the details, please refer to the operation at Page 8.

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PRECAUTIONS

This unit can play the following discs only:

Type of disc	Label on the disc	Recorded material	Size of disc
DVD	DVD VIDEO	Sound and moving pictures	12cm
VCD	VIDEO CD / COMPACT disc DIGITAL VIDEO	Sound and moving pictures	12cm
CD	COMPACT disc DIGITAL AUDIO	Sound only	12cm
MP3	COMPACT disc DIGITAL AUDIO MP3	Sound only	12cm
NOTE: The unit is compatible with VCD1.0/2.0/3.0 version and DVCD disc.			

Do not attempt to modify the unit, modifying the unit may cause an accident.

Stop the vehicle before carrying out any operation that could interfere with your driving.

Do not work in extremely high or low temperature. Be sure the temperature inside the vehicle is between +60° C and -10° C before turning on your unit .

To enjoy optimum sound and images while playing, handle the discs as follows:

——Handle the disc by its edge to keep the disc clean, and do not touch the surface.

——Do not use your disc with paste residue or ink attached.

——Do not use disc with labels or stickers attached, which may leave a sticky residue while beginning to peel off.
(Shown as the picture)

——Clean the discs with an optional cleaning cloth. Wipe each disc from the center out.
(Shown as the picture)

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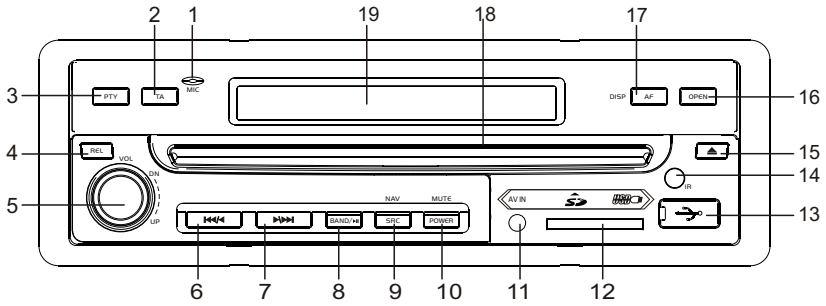
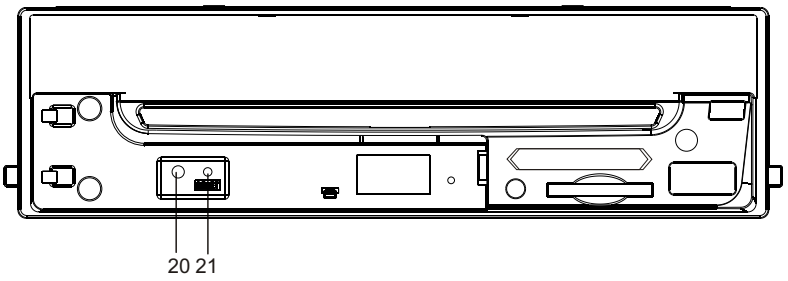
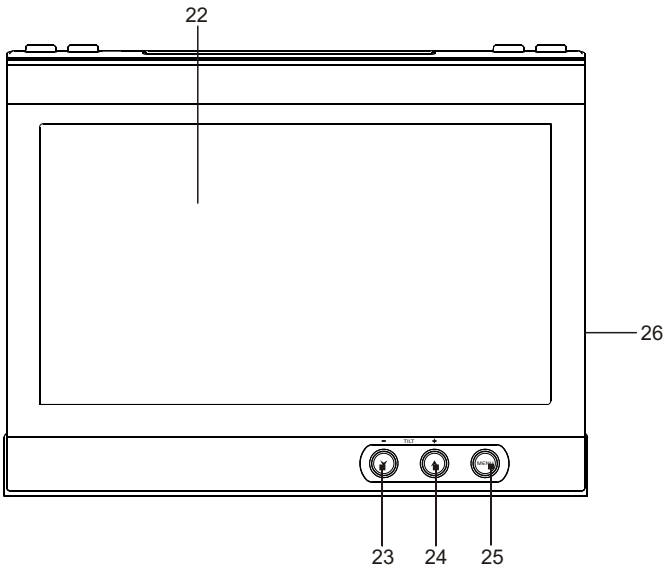
FRONT PANEL

FRONT PANEL







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FRONT PANEL

1. MIC

2. TA
Press this button to turn on/off TA function.

3. PTY
Press this button to select one of the program type in RDS mode.

4. REL
Press this button to open the front panel.

5. VOL
Adjust the volume by turning the knob clockwise or counterclockwise. Press this button briefly to display the menu. You can choose one of the following settings:
L-front/R-front/L-rear/R-rearsubwoof/ Bass / Middle / Treble / TILT/ Volume.
Rotate the button to adjust to the setting.

6/7. ⏮ ◄ ► ⏭
In radio mode, press one of these buttons to seek a station manually.
Hold down one of the buttons to seek a station automatically.
In DVD/USB/CARD mode press the buttons to select the previous or next file.
Hold down the button for 2s to fast forward or fast backward.

8. BAND/ >II
In radio mode, press this button to select the bands.
In play mode, press this button to pause or resume playback.

9. SRC/NAV
Press this button to select one of the sources.
Press and hold this button to enter navigation mode.

10.POWER/MUTE
Press the button to turn on the unit, press and hold the button to turn off the unit.
When the unit is switched on, press the button to shut off the sound output.
Press it again to resume the sound level.

11. AV IN
Connect the AV cable (supplied) to the external AV device, then press the SRC button to switch to AV1 mode.

12.SD slot
Insert an SD/MMC card, the unit will play the files from SD/MMC card automatically.
NOTE: Once the SD/MMC card could not eject after pressing, just pull it out manually.

13. USB port
Insert USB device, the unit will play the files from USB automatically.

14.IR WINDOW

15. ⏏
Press the button to eject a disc when it is loaded into the unit. Press and hold it to force ejecting a disc when the system is accidentally frozen.

16. OPEN
Press to open or close the TFT display.

17. DISP/AF
Hold down the button to display the current time, sources of front and rear displays and medias (Disc, USB, SD) available.
Press this button to turn on/off TA function.

18. DISC Loading Slot

19. LCD display

20.Anti-theft led indicator
It will flash when the detachable control panel is removed.

21. RESET
Using a sharp object such as a pencil to reset the unit.

22. TFT display

23/24. TILT /∧/∨
Press ∧ / ∨ button to adjust the angle of TFT display.

25. MENU
In DVD mode, press the button to display the DVD SETUP menu. Hold down the button to display the SYSTEM SETUP menu.
In other modes, press the button to display the SYSTEM SETUP menu.

26. GPS SD card slot

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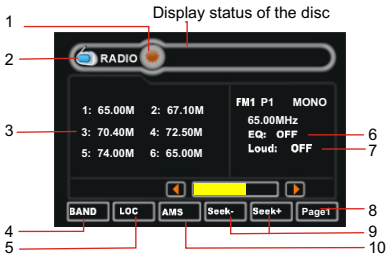
SYSTEM MENU

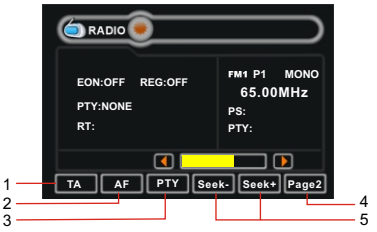
The users can perform operation by touching screen directly.

RADIO OPERATION



1. LIGHT MODE
Touch this button to select day/night light mode
2. Source
To display the SOURCE SETUP page
3.station preset button
to display the preset station list
(long touch to save the current frequency into the station)
4.BAND
to switch bands.
5.LOC
to select local stations or distant station
6.EQ
to select a preset equalizer mode.
7.LOUD
to switch LOUD control function on/off
8.Page1
to enter RDS mode
9.SEEK-/SEEK+
Short press the buttons to seek a station automatically.
Long press to seek a station manually.
10.AMS
to browse preset stations;
to search and store stations automatically (long touch)

RDS OPERATION



1.**TA**
to turn on /off TA function
2.**AF**
to turn on /off AF function
3.**PTY**
to switch program type
4.**Page2**
to switch to radio operation page.
5.**SEEK-/SEEK+**
to seek a station automatically.
to seek a station manually(long touch).

EON(Enhanced Other Networks)
ON:active the EON function,the unit keep receive track of additional alternate frequencies to the AF list. If the station being received does not broadcast the traffic information ,the receiver automatically tunes in the related station that broadcasts the traffic information when it occurs
OFF:deactive the EON function
REG(Regional)
ON:active the REG function,the unit automatically keeps receiving the related RDS station.
OFF:deactive the REG function

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SYSTEM MENU

MULTI-- PLAYER OPERATION

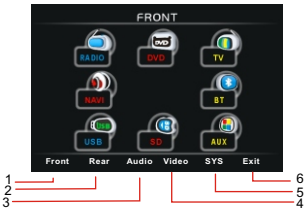
In DVD mode, the touching screen displays as following after touch at random position.

1.**PLAY**
To start the playback.
2.**PAUSE**
To pause the playback.
3.**STOP**
To stop playing, touch twice to stop completely.
4.**SETUP**
To display the DVD SETUP screen.
5.**PREV/NEXT**
To select previous/next chapter or tracks.

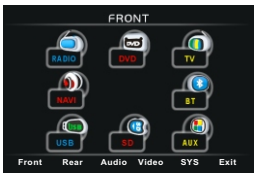
NOTE: Touching the left middle position twice to display the TITLE MENU selection screen, touching the right middle position twice to display the ROOT MENU selection screen, touching the right top position to display the number keyboard.
You can select chapter(track) by pressing the touchable screen or the RC.

SETUP OPERATION

TOUCH ON THE TOP LEFT POSITION TO ENTER SOURCE INTERFACE.
The unit will return to previous mode display screen if any operation is not perform in 5 seconds.

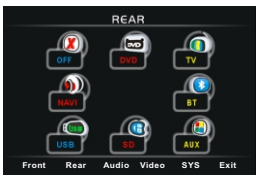


1. Front
To display the front source selection screen.



Touch the item to select source displayed on the unit screen.

2.Rear
To display the rear source selection screen.



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SYSTEM MENU

3.Audio
Touch on the AUDIO button and the screen will display as following:

In this menu, there are items of Volume, L-front,R-fornt, L-rear, R-rear, Subwoof, Bass, Middle and Treble can be adjusted. Touch on the ◀ ▶ button to adjust each item and touch on ▲▼ button to turn pages and select the item listed above.

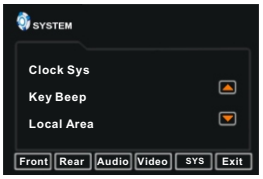
4.Video
Press on the VIDEO button and the screen will display as following:

In this menu, there are items of Bright, Hue, Contrast, Sharp can be adjusted. Touch on the item that need adjusted then touch on the ◀▶ button to adjust.

5.SYSTEM
To display the system setup screen. Refer to ***SYSTEM SETUP OPERATION***.

6.EXIT
To return to current source screen.

SYSTEM SETUP OPERATION



Clock Sys
Set the time display mode(12H/24H)

Key Beep
Turn on/off the sound guide function
ON: Activate the sound guide mode
OFF: Deactivate the sound guide mode.
The sound guide beep will be OFF when any button on the unit is pressed.

Local Area
Touch the provided option to change the radio frequency for different country.

Touch the provided option to adjust the bass freq, middle freq, treble freq.

Touch the provided option to change the subwoof freq ,the bass and middle quality factor.

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SYSTEM MENU

Clock Adjust
adjust the time by touch ⇦ ⇨ ⇩ ⇧

⇦ ⇨ To select item your want to set (hour, minute, second)
⇩ ⇧ to change the display number

Night Lum (dimmer)
The function to select the backlight brightness.(normal status's 20%,40%, 60%,80%)

Touch Adjust
when the display position on the screen and the touch position on the touch panel not match, or using the product at first time, the adjustment becomes necessary.

Accurately touch the X mark provided in the screen for more than 2 seconds until the ***adjust succeed*** is displayed.

GPS Mix SW
ON:the navigation guidance does not interrupt the head unit
OFF: the navigation guidance interrupts the head unit. Audio of the head unit is muted at this time.

SW CONTROL
The function to select the steer wheel control. Refer to next page.

GPS Volume
The function to sets the volume level of the outputs sound through the navigation source.
(High/Mid/Low)

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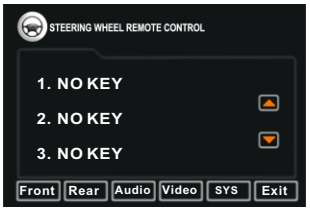
SYSTEM MENU

SW Control

To set 8 short-cut bottons for the steering wheel remote control.



The screen will display NO KEY if there is no set for the system.
There are 12 buttons for selection in each item: POWER, MODE, STOP, PREV, NEXT, VOL+,VOL-, MUTE, EJ, PAGE UP, PAGE DOWN and MENU.

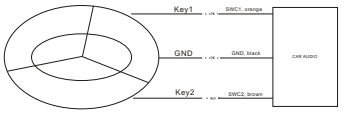
Please refer to the following sequential order to finish the setting:
1. Touch on NO KEY position on the screen;
2. Press one button on the SW control;
3. The function list jumps out on the screen;
4. Touch one of the functions as the wanted function for the pointed button on SW control;

Note:
1.The group-setting can be erased by pressing and holding the selected group.
2. If there is already a set item, press the corresponding button on the SW control and the screen will display: ***set in X***.
3. Each function can be selected into one or more than one button of the 8 buttons on the SW control while one button can only be pointed as one function.

SW CONTROL INSTALLATION

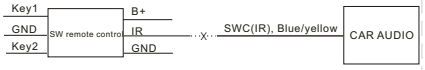
Before installing the SW control, please make sure all the wires are in good condition.
For installation, please refer to the illustrations below:

in case of connecting to the SWC (steering wheel control):



SWC

in case of connecting to the SW remote control:



Please consult the professional technicians for advice if the unit can not work as expected.

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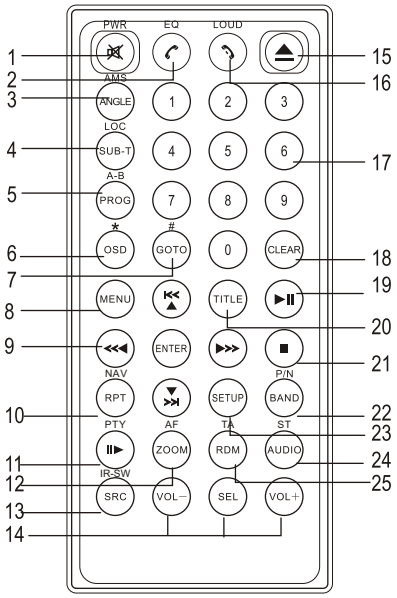
REMOTE CONTROL

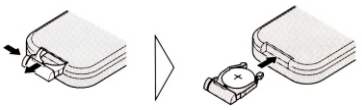
REMOTE CONTROL



1.PWR/ 2. EQ
3. ANGLE/AMS 4. SUB-T/LOC
5. PROG/A-B 6. OSD/*
7. GOTO/# 8. MENU
9. [◀◀/▶▶][⏮/⏭][▲/▼/◀ /▶]/ENTER
10. RPT/NAV
11. II▶ /PTY 12. ZOOM/AF
13. SRC 14. VOL-/SEL/VOL+
15. ⏏ 16. LOUD
17. 0-9 Number button
18. CLEAR 19. ⏯
20. TITLE 21. ■
22. BAND/P/N 23. SETUP
24. AUDIO/ST 25. RDM/TA

Installing the battery

Slide the tray out on the back of the remote control and insert the battery with the plus (+)and minus(-)poles pointing in the proper direction.



Use and care of the remote control

Point the remote control in the direction of the front panel to operate to use it.
Notes:
Using batteries improperly can cause them to explode. Take note of the following points:

* Keep the battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
* Use one CR2025(3V)lithium battery.
* Remove the battery if the remote control is not to be used for a month or longer.
* Do not short-circuit, disassemble or heat batteries.
* Do not dispose of batteries into fire or flames.
* Dispose of spent batteries properly.
* Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedals.

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REMOTE CONTROL

1. POWER/
Press the button to turn on the unit;
Press and hold to turn off the unit.
In power on,press to mute the device.
Press it again to resume previous sound level.

2. EQ/
Press to select the corresponding preset modes to adjust the sound quality.
In bluetooth mode, press this button to dial up a call or receiving a call.

3. ANGLE/AMS
In DVD mode, press to change the viewing angle ;
In radio mode, press to browse each stored station .Long press to scan and store station automatically.
In TV mode, long press the button to scan and store channel automatically.

4. SUB-T/LOC
In DVD playback mode, press to change the subtitle language; In radio mode, press to select strong or weak station reception.

5. PROG/A-B
In playback mode, press to set the program order to play; In playback mode, press and hold to play the section of selected chapter/track repeatedly .

6. OSD/*
In playback mode, press to display the playback information;
In other mode, press to display the current time, the set source output through the front and rear display, the current available drive.(Disc/SD/USB);
In bluetooth mode, press to function as * button on your mobile phone functions .

7. GOTO/ #
In DVD mode, press the button and the cursor button to select TITLE, CHAPTER, AUDIO, SUBTITLE,ANGLE ,TT TIME, CH TIME, REPEAT, TIME DISP. Then press ENTER button to set the value.
In VCD mode, press GOTO button and cursor button to select TRACK, DISC TIME, TRACK TIME, REPEAT, TIME DISP. Then press ENTER button to set.
In CD/MP3 mode, press GOTO button to select "Disc Go To:_ _ _", "Track Go To _:_ _:_ _", Select Track:_ _:xx". Then press 0-9 number buttons to set the track you want.
In bluetooth mode, press this button to function as # button on your mobile phone functions .
In radio mode ,press the button and the number button to set the frequency.
In TV mode ,press the button and the number button to select a channel.

8. MENU
In DVD mode, press to return to the root menu.
In radio mode, press this button to switch between RDS and radio modes.

9. [⏮ /⏭][⏮ /⏭][▲/▼/◀/ ▶]/ENTER
In playback mode ,to perform these function as following: play fast reverse/ fast forward, find the beginning of previous chapter or track/find the beginning of the next chapter or track
In raido (TV)mode,to search for a station (channel),recall a prest station(channel)
In DVD setup, use the triangle buttons to navigate file lists and the setup menus.

10. RPT/NAV
In playback mode, press to select a repeat mode.
Press and hold this button to start the navigation mode.

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REMOTE CONTROL

11. ⏸▶ /PTY
In radio mode, press to switch the RDS program type.
In DVD/VCD mode, press to play slowly.

12. ZOOM/AF
In radio mode, press to function AF on/off.
In DVD/VCD mode, press to increase or decrease the picture in size.

13. SRC
Press the button repeatedly to switch sources.Press and hold this button to change the IR to control front or rear source.

14. VOL-/SEL/VOL+
Press VOL-/VOL+ to adjust volume.
Press SEL to select one of the control item:L-front/R-front/L-rear/R-rear/Sub-woof/Bass/Middle/Treble/Angle/Volume.
Then press VOL+/- to adjust each item.

15. ⏏
Press to eject a disc

16. LOUD/
Press this button to activate LOUD function.
In bluetooth mode, press to hand up your calling.

17. (0-9)NUMBER BUTTON
In radio(TV) mode,press the number button to select a corresponding preset station(channel)
In DVD/VCD/CD mode,press to select any chapter or track directly.
In bluetooth mode ,press to input the telephone number.

18. CLEAR
Press the button to clear the erroneous number what you import.

19. ⏯
Press to pause playing and press again to resume playing.

20. TITLE
In DVD mode, press the button to return the title menu.
In VCD mode, press this button to turn on/off PBC function.

21. ■
Press to stop playback.

22. BAND/P/N
In radio mode,press to select bands.
In DVD/VCD mode,press P/N button to select PAL、AUTO or NTSC.

23. SETUP
In playback mode, short press to display DVD setting, long press in DVD mode and press in other modes will display system settings.

24. AUDIO/ST
In DVD mode, press to change the audio language.
In VCD mode ,press to change the channel mode.
In FM mode, press to select stereo or mono reception.

25. RDM/TA
In radio mode, press to function TA o/off.
In playback mode, press to play tracks in a random order.

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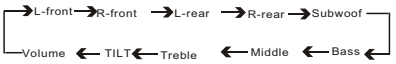
BASIC OPERATION

1.Reset the Unit
When operating the unit for the first time or after replacing the car battery, you must reset the unit.
Remove the guard against theft front panel at first, then press RESET button with a pointed object, (such as a ball-point pen) to set the unit to initial status.
This function can only be operated by the head unit.

2.Turning the Unit On/Off
Press PWR button to turn on the unit.In unit ON,when insert a disc,the unit will automatically start playing.
Long pressing it to turn off the unit completely.
Pressing PWR button on the head unit also performs the same operation.

3.Volume Control
Press VOL+ button on the remote control to increase the sound level and press VOL- button on the remote control to decrease the sound level.
Rotating VOL button on the head unit or touching the VOL-/VOL+ on the TFT panel also performs the same operation.

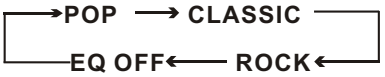
4.Setting the Sound Characteristics
Repeatedly press SEL button to select the desired mode in the following order:



Note:
* After selecting the desired mode, you can adjust the current level by pressing VOL buttons on the remote control.
* If you don't adjust VOL button in 3 seconds after selecting the desired mode, the unit will automatically return to the current mode being displayed.

5.Turning Loudness On/Off
Short press LOUD button on the remote control to activate loud function.
Press it again to shut down LOUD function.

6.EQ Setting
While listening to music, you can select the corresponding preset (popular/classic /rock) modes, you can adjust the sound texture more precisely by using EQ button on the remote control.
Repeatedly pressing EQ button to choose the following modes in turn:



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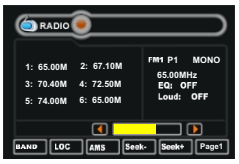
RADIO OPERATION

Select radio mode
Press SRC button on the remote control or on the panel to select RADIO mode.
NOTE: Touch on left top area of the screen to display the sources screen then RADIO mode can be selected.



1.**Band Select**
In radio mode, repeatedly press BAND button on the remote control to select a band in the following order:

FM1 → FM2 → FM3
MW2 ← MW1 ←

Note: Press BAND on the touch screen or on the panel also performs the same operation.

2. **Tuning**
2.1 **Automatic Tuning**
There are three ways to tune in a station downwards automatically as below:
press ⏪ button on the remote control;
press ⏮ button on the panel;
touch on SEEK- button on the touch screen.
There are three ways to tune in a station upwards automatically as below:
press ⏩ button on the remote control;
press ⏭ button on the panel;
touch on SEEK+ button on the touch screen.
2.1 **Manual Tuning**
There are three ways to tune in a station downwards manually as below:
press and hold ⏪ button on the remote control;
press and hold ⏮ button on the panel;
touch on SEEK- button on the touch screen.
There are three ways to tune in a station upwards automatically as below:
press and hold ⏩ button on the remote control;
press and hold ⏭ button on the panel;
touch and hold on SEEK+ button on the touch screen.

3.**Recalling a preset station**
A total of 30 preset stations (18-FM,12-MW) are available in memory.
Press ⏮/⏭ button on the remote control to recall a preset station.
The display shows the preset number and frequency of the stored station, touch one of these to select a corresponding station for listening.
Note: Press any one of the station preset buttons on the remote control also selects preset station.

4.**Store stations**
4.1 **Auto store**
It is a function for storing up to 6 stations.
Follow the two steps:
Select the desired band;
hold down AMS button,the stations with good reception are stored automatically.
4.2 **Manual store**
To turn in a station to be stored in the preset memory, press and hold any one of the preset buttons (1-6) to store on.
*If a new station will be stored in a preset memory which already has a station, the current station will be cleared and replaced by the new station.

5.**DX/LOC Selector**
In radio mode, press LOC button on the remote control to select strong or weak station reception.
5.1 **LOC**
When ***LOC:ON*** displays on the touch screen, only strong signal stations will be tuned.
5.2 **DX**
When ***LOC:OFF*** displays on the touch screen, both strong and weak stations can be received.
Note:
* The initial mode is DX mode.

6.MO/ST Selector
In FM of radio mode, you can press ST button on the remote control to select **Mono** mode or **Stereo** mode.

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RADIO OPERATION

RDS (RADIO DATA SYSTEM) OPERATION

The RDS allows you to receive a variety of information such as traffic information,station names,and to automatically retune to a stronger transmitter that is broadcasting the same programme.

Tips

The RDS digital data includes the followings:

PI Programme Identification
PS Programme Service Name
AF List of Alternative Frequencies
TP Traffic Programme
TA Traffic Announcement
PTY Programme Type
EON Enhanced Other Networks

Turn on/off the AF function

* Press AF button to switch on/off AF function
*The tuner will search for a station with RDS information
* The tuner will retune frequencies when ever the reception signals getting worse.

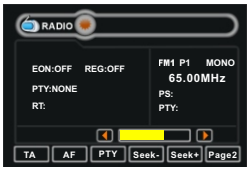
Receiving Traffic information

1.Press the TA button to switch on TA mode.
2.The unit search for traffic information station automatically. When a traffic information station is tuned in, the TP mark display on touchable screen. If you do not want to listen to the traffic information being received, press TA button to skip that traffic information message.
The TA function will remain in the ON position. And the unit will be back to previous mode.
3.Press it again to switch off TA mode.

* Traffic information is heard only when it is being broadcast.
In other mode, Traffic announcement can interrupt the source sound output when broadcast. After broadcasted ,the unit will automatically return to the original source play before the traffic information broadcast began.

PTY(Programme Type)Tuning

The PTY function allows you to search for stations with a particular Program Type. Touching Page1 button on the radio display screen to switch to the RDS screen.



1.Press PTY button on touchable screen or on the remote control to select a programme type. After selecting the programme type for 3 seconds, the unit will search for a station in the selected programme type.
*If the PTY station is found,the tuner will be stop searching.
*If the PTY station is not found,” No Pty” will be display on the screen.
All types for your selection are listed in table as below:：

NEWS	ROCK MUSIC	PHONE IN
CURRENT AFFAIR	M.O.R. MUSIC	TRAVEL
INFORMATION	LIGHT CLASSIC	LEISURE
SPORTS	SERIOUS CLASSIC	JAZZ MUSIC
EDUCATION	OTHER MUSIC	COUNTRY
DRAMA	WEATHER	NATIONAL
CULTURE	FINANCE	OLDIES
SCIENCE	CHILDREN	FOLK
VARIED	SOCIAL AFFAIR	DOCUMENTARY
POP MUSIC	RELIGION	TEST→ALARM

An emergency broadcasting(ALARM) will broadcast automatically and produce the beep sound when it is received.the sound output through other source will be muted.

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BLUETOOTH OPERATION

HANDS-FREE PHONE

The unit is compatible with Bluetooth international standard wireless cummunication technology.
You can place a hands-free call by a Bluetooth compatible with the mobile phone.
*When you place a call, speak loudly and clearly.
*Shut the windows before calling.
*It is normal that some unnatural voice may be heard during your calling which may be caused by the conditions of the signals or the one who use the mobile phone.
*Due to some special mobile phone, you may not be able to use a hands-free phone.

CONNECTING

Selecting BT mode

↓

Press PAIR button on touchable screen to turn on the pair function. Searching for device by using mobile phone.

↓

Selecting bluetooth device by using mobile phone. Input a pass code:1234.

↓

The connection is done.
The screen display ***Connect***.

*The Bluetooth setting is required for a mobile phone. Read the Owner's Manual of the mobile phone.
*After paired ,the unit can connect with the mobile phone automatically.（in valid range）
* If the mobile phone or the device is disconnected with the unit accidentally, the screen will display Disconnect, just press LINK button on the screen to re-connect(refer to Bluethooth setup).

Dialling a call

1.Input the number required by pressing number button on the remote control or on the screen then press button on the screen to dial up.
The telephone number you dialed is appeared on the screen

2.Placing a call by history:
Press button to switch to PHONE BOOK screen.you can place a call by selecting a person from a list of received calls, dialed calls or missed calls.
A maximum of 16 numbers can be stored in each call history. A maximum of 4 numbers be display in each page, and touching button to turn to next page.

Hanging up a Call
Press button on the screen to finishes the call.

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BLUETOOTH OPERATION

Receiving a Call
When a call is received, a received call sound rings ,and the calling is announced in the display. Press button on the screen to starts the call.

*Press / button on the remote control also perform dial(receiving) a call or hang up a call function
*The incoming call will interrupt the sound output through other source, and switch to the hands-free phone screen automatically when it is received.

After the call is over, the unit will be back to previous mode.
* The hands-free phone sounds output through the built-in speakers.
When calling, press button on the screen to switch the mode to receive a call by using mobile phone, and press it again to return to hands-free mode.

BLUETOOTH AUDIO FUNCTION

Audio information of a bluetooth compatible mobile phone,portable player,etc.,is by wireless controll-able/playable from the unit.

Refer to “CONNECT” to connect bluetooth audio devices.
Refer to bluetooth setup(PAGE 7) for operation
*video playback is not supported.
*using remote control also perform same operation

The key of the remote control assigned in Bluetooth audio function：

⏯	Play/pause
⏮ ⏭	Previous/next track
⏹	Stop playback

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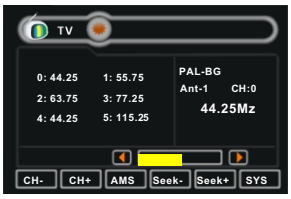
TV OPERATION

TV OPERATIONS



1. Select TV mode
Press SRC button on the remote control or on the panel to select a source of TV.
NOTE: Touch on left top area of the screen to display the sources screen then TV mode can be selected.

2. Select a channel
To select a desired channel, the user can choose one of the following ways:
2.1. **By Remote control**
Press ⏮ or ⏭ on the remote control to select previous or next stored channel.
2.2. **By Remote control**
Press(1-9) number button directly on the remote control to select a preset channel.
To select more than 10 channel number, firstly press GOTO button on the remote control, then press the corresponding number buttons.
2.3. **By Touch screen**
Touch on the needed channel number on the screen.
Touch on CH-/CH+ button on the screen to turn pages to select the exact channel.

3.Selecting TV system
Touch repeatedly SECAM-DK button on the screen OR press on BAND/P/N button on the remote control to switch TV system.

Note: When the TV channel picture is being broadcast, touch on the random area of the screen to return to the TV mode menu.

4. **Search a channel**
4.1 **Automatic Searching**
There are three ways to search a channel downwards automatically as below:
press ⏪ button on the remote control;
press ⏮ button on the panel;
touch on SEEK- button on the touch screen.
There are three ways to search a channel upwards automatically as below:
press ⏩ button on the remote control;
press ⏭ button on the panel;
touch on SEEK+ button on the touch screen.
4.1 **Manual Tuning**
There are three ways to search a channel downwards manually as below:
press and hold ⏪ button on the remote control;
press and hold ⏮ button on the panel;
touch on SEEK- button on the touch screen.
There are three ways to search a channel upwards automatically as below:
press and hold ⏩ button on the remote control;
press and hold ⏭ button on the panel;
touch and hold on SEEK+ button on the touch screen.

5.**Store channels**
5.1 **Auto store**
Press and hold AMS button on the remote control OR on the touch screen for 2 seconds. The unit will search for channels and store them under preset numbers in order of signal strength.
5.2 **Manual store**
Follow the two steps:
Find a channel you want to store;
Press a preset number button on the touch screen, under which you want to store the channel.

*If a new channel will be stored in a preset memory which already has a station, the current channel will be cleared and replaced by the new channel.

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DVD/VCD/CD OPERATION

DVD OPERATION

1.Basic operation
(1) Insert a disc into the disc loading slot,the unit will play automatically
* You can eject a disc by pressing ⏏ button.
(2) Use the VOL+/ VOL- to adjust the sound level.
Rotating (VOL+ or VOL-) on the head unit or touching VOL-/VOL+ button on the TFT panel performs the same operation.

2. Skip backward/forward/F.F/F.REW
To skip back or forward to another track or chapter, press ⏮ or ⏭.
Press ◀◀ or ▶▶ to perform fast reward or fast forward.repeatly press the button the options switch as follows order

2X → 4X → 8X → 16X → 32 X → ▶

*Pressing ⏮/◀ /▶ /⏭ button on the head unit performs the skip reward/forward operation.
*Long pressing ⏮/◀ /▶ /⏭ button on the head unit performs the fast reward/forward operation.

3. Stop the playback
Press ■ button to set the unit in pre-stop status,then press ENTER button to play the current chapter or track, press stop button twice to stop playing completely,then press ENTER button to play the beginning of disc.

4.Pause the Playback
Press ⏯ button to suspend the playback, Press it again to return to normal playback.
*Pressing ⏯ button on the head unit performs the same operation.

5.Playing Tracks in Random Order
During VCD/CD playback, when pressing RDM button, "RANDOM" will appear on the display, the unit plays any track at random and the number selection is unavailable. Press it again to return to normal playing.

6.Repeat Playing
In playback mode, press RPT on the remote control to perform replaying function when you need to repeat the chapter you like.
*The initial repeating mode is all
During DVD playback,the replay option change in following order:

CHAPTER → TITLE → OFF →

during VCD/CD playback,the replay option change in following order

TRACK → OFF

7. Slow motion playback
In VCD mode, press ⏯ to slow forward. There are 4 speeds each press decreases the speed until the minimum speed is reached.

1/2 → 1/4 → 1/8 → 1/16 → Normal Play →

In DVD mode, press ⏯ to slow forward or slow reward.

1/2 → 1/4 → 1/8 → 1/16 → Normal Play ← 1/16 ← 1/8 ← 1/4 ← 1/2 ←

*This function is operated by using the remote control.
8.Increase the size of the picture
Press ZOOM to increase the picture in size.There are 6 sizes, Each press increases the size until the maximum size is reached.

▶2X → ▶3X → ▶4X → ▶1/2 → ▶1/3 → ▶1/4 → OFF →

*This function is operated by using the remote control.

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DVD/VCD/CD OPERATION

9.On-screen display
In DVD mode, press to display Title Elapsed, Title Remain, Chapter Elapsed, Chapter Remain, Display Off.
In VCD/CD mode, press to display Single Elapsed, Single Remain, Total Elapsed, Total Remain, Display Off.
This function is operated by using the remote control.
* This function can only be operated by using the remote control.

10.Programmed playback
In DVD/VCD/CD mode, press the PROG button and the program menu will be displayed. Press the number buttons to select the track number. Use the direction buttons to move the cursor to START and press ENTER to start programmed playback. Move the cursor to EXIT and press ENTER to exit the programmed playback. Move the cursor to REW and press ENTER to go to the last page; move the cursor to NEXT and press ENTER to go to the next page. During this process, press PROG to cancel the programmed playback.
* This function can only be operated by using the remote control.

11.Changing the subtitle language (Multi-subtitle)
With DVDs featuring multi-subtitle data. You can press SUB-T to switch between subtitle languages during playback.
Options selection is as follows:

Subtitle 01 — Subtitles 02 — Subtitles OFF

This function is operated by using the remote control.
Notes:
*This function only operates with DVDs featuring multi-subtitle.

12.Changing the audio language
Can be done by pressing the AUDIO button to switch between languages and audio systems during playback.
Selection options switch as follows:

Audio 01 —— Audio 02

This function is operated by using the remote control.
Notes:
This function only operates with DVDs featuring multi-audio recordings.

13.Selecting different title (DVD mode)
On a DVD disc, you can press TITLE on the remote control to return the root menu of the disc, and you can select different chapters or titles upward or downward by using ▼ or ▲.
*This function is operated by using the remote control.

14.Selecting root menu(DVD mode)
For DVD disc, you can press MENU to select different root menus, and then press [▲][▼][◀][▶][ENTER] buttons to enter the sub-menus. Press [▲][▼][◀][▶] buttons, and the number buttons, and then ENTER button to select and enter what you desire.

15. SETUP MENU
In DVD/VCD/CDmode, press SETUP, the screen will display the system setting picture, the user can select some relative constant parameters. The user can also set them as needed by moving the cursor and using [▲][▼][◀][▶] buttons, and then press ENTER to validate the actions.
This function is operated by using the remote control.
Notes:
*The selections are the preferred options that will be chosen if they are available on a disc. If the disc that is inserted does not have the preferred option then the

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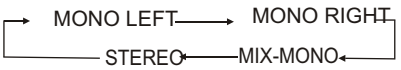
discs own preferencewill be used.
*Regarding SETUP MENU, please refer to the following pages for more details.
*Some functions may vary depending on the types of models or formats of the disc.

15.Auto switch to video
When driving a car, in DVD/SD/USB and video active mode, TFT display "Attention:Cannot use this function When driving" Just braking car, the TFT can switch to video automatically.

16.Auto switch to video when revering the car
When reversing, the unit can switch to reversing video display automatically so you can see behind of the vehicle if cameras have been set up, and the sound will be shut off.

17.Selecting an acoustic output mode
In VCD mode, press the AUDIO button on the remote control repeatedly to select an audio mode in the following order:



18. Changing the viewing angle (Multi-angle)
With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, press the ANGLE button to switch between viewing angles during playback. The viewing angle changes in the following order:
ANGLE1-ANGLE2-ANGLE3
Note:
* This function is operated by using the remote control.
* This function is only available with DVDs featuring multi-angle recordings.
* The symbol on a DVD packaging indicates that it features multi-angle scenes. The number in the symbol indicates the number of angles from which scenes were shot.
* The ANGLE button does not function during fast forward/fast rewind or pause.

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SYSTEM SETUP

SYSTEM SETUP

When you press SETUP button on the remote control or press MENU button on the panel, the setup menu will be displayed. It include General Setting, Audio Setup, Video Setup, Preference Setup, Password Setup and Exit Setup menu.

1.Within the setup menu, you can use [▲] [▼][◀][▶] buttons on the remote control to move the cursor,and then press the ENTER/PLAY button to make your selection. Press [◀] can return to the previous menu.

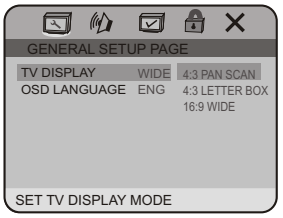
2.To exit setup menu, you can select the EXIT SETUP item in sub-menu or press SETUP button or press MUNU button on the panel.

*Touching the item on the screen also preform same operation

1. GENERAL SETUP PAGE

Setup TV screen format,video type and all DVD functions.

1.1 TV DISPLAY



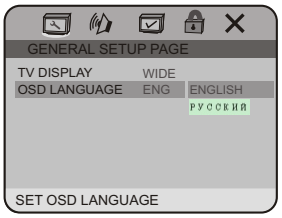
The TV Display which select the different ratio of display format and the screen of TV, There are various types of display on screen for different matches between Disc and TV.

Note:

- No matter which display format is selected, a picture recorded in standard 4:3 format always displays in the 4:3 aspect ratio.
- The display format of DVD titles may vary; please refer to the information that accompanies your specific DVD title.
- If the DVD title is recorded in 16:9 wide display format while the TV is a standard 4:3 screen, horizontal compression of the image will result.
- Some DVD titles may be recorded in special formats. In such cases, the DVD titles will always appear on the screen in their original format,regardless of which TV display format you select.

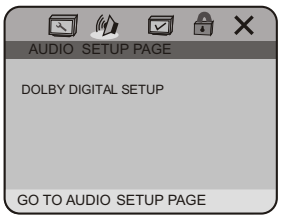
1.2 OSD LANGUAGE

On Screen Display(OSD)Language:Users can select the whole setup menu and on-screen display language.



2. AUDIO SETUP PAGE

User can select digital audio setup or dolby digital setup.



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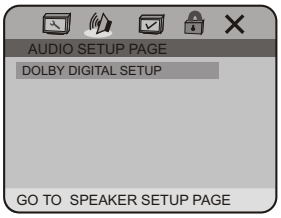
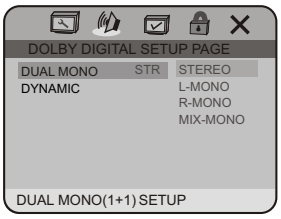
SYSTEM SETUP

2.1 DOLBY DIGITAL SETUP PAGE



2.1.1 DUAL MONO



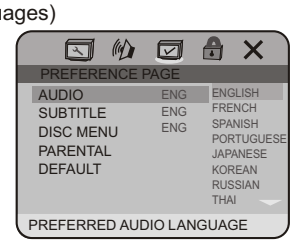
Users can switch the binaural mode among STEREO, L-MONO, R-MONO and MIX-MONO.

2.1.2 DYNAMIC:
select the provided option to change the Dynamic rang e setting.

3. PREFERENCE SETUP PAGE

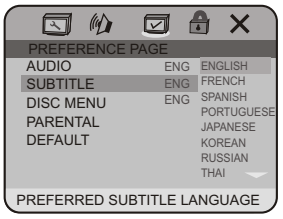
3.1 AUDIO

AUDIO: Sets the preferred audio language as the default when playing DVD. (IF DVD support these languages)



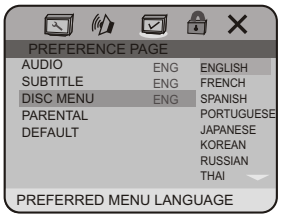
3.2 SUBTITLE

SUBTITLE: Sets the preferred subtitle language as the default when playing DVD.(if DVD support these languages)



3.3 DISC MENU

DISC MENU: Sets the preferred menu language as the default when playing DVD.(if DVD support these languages)



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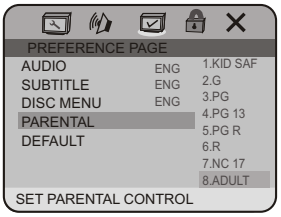
SYSTEM SETUP

3.4 PARENTAL

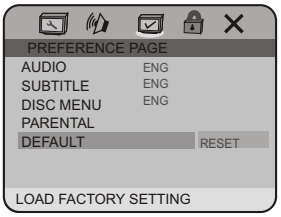
PARENTAL: The parental control function works in conjunction with the different censorship classes assigned to DVDs. These classes help to control the types of DVDs that the family watches.
There are up to 8 censorship classes for DVDs.
Note:

- The PARENTAL is changeable when 5.1 PASS WORD MODE set to OFF.
- After setting the level of parental control. Please set the password as ON to perform the lock of changing.



3.5 DEFAULT

DEFAULT: Resets to all the manufacturer's original settings for this DVD player Press ENTER to performthe reset.

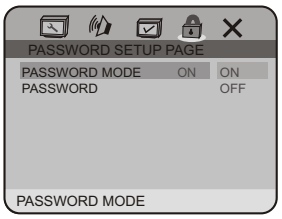


4. PASSWORD SETUP PAGE

4.1 PASSWORD MODE

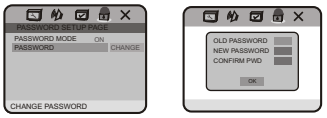
PASSWORD MODE: Sets the function operation to be ON for locking the parental function, and OFF for changing the parental level.

- There will be old password confirmation when ON/OFF interchange.
- The initial password is 136900



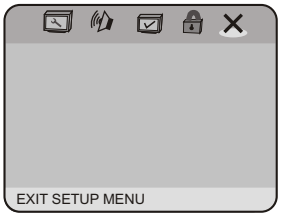
4.2 PASSWORD CHANGE

PASSWORD CHANGE: you can change the password, please type 6 numerals as new password.



*Touching the position where inputting password, the screen will display the number button, and user can input the password by touching number button

5. EXIT SETUP MENU



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SYSTEM SETUP

SETTING THE TV SCREEN SIZE

Multi-aspect ratio suit to different TV screen size.

Picture format on Disc	TV Screen Size		
	4:3		16:9
	Pan Scan	Letter-box	Wide Screen
4:3			
16:9			

Function supported by DVD discs

There are many functions available on DVD discs and the functions vary per player and per manufacturer.

- Regional code and signal system
- DTS surround
- Number of languages
- Subtitle languages
- Picture proportion modes
- Parent lock
- Angles for viewing
- Closed Caption

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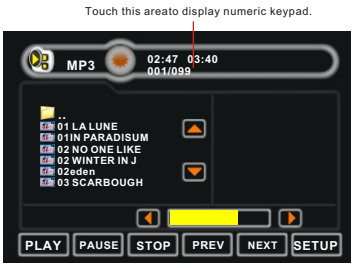
MP3 OPERATION

1.Playing a disc, an SD/MMC card or a USB device containing MP3 files

Connect a USB device or insert a disc into the disc slot or SD/MMC card into the card slot. The unit will automatically switch on when a disc, card or USB device is inserted. The screen will display as follow:



During MP3 playback, press the ▶▶| or |◀◀ button on the remote control or on the panel or touch on NEXT/PREV button on the screen to select the next/ previous track.

Repeat playing

When playing MP3 files, press the RPT button repeatedly on the remote control to select repeat mode: REPEAT ONE, OFF. While in REPEAT ONE mode, it will play one track repeatedly. The defaulted mode is REPEAT ALL mode, the unit will play all tracks repeatedly.

The number buttons

Selecting any track directly by using Number button(0-9).For example, if you want to play the 23th track, just press button 2 and then press button 3 and the corresponding track will be played.

Note:
* This function can be operated using the remote control or touch top right corner of screen to be functioned.
* If you make a mistake, press CLEAR button to clear.

Stop playing

When playing MP3 files, press ■button on the remote control STOP button on the bottom of the screen to stop playback.

PAUSE PLAYING

When playing MP3 files, press BAND/ ▶II on the panel or ▶II on the remote control or PAUSE button on the bottom of the screen to pause playing and press again to resume playing.

SKIP FORWARD/BACKWARD PLAY

Press◀◀ or ▶▶on the remote control or press and hold|◀◀or ▶▶| on the panel to performed fast rewind or fast forward.

►2×--4×--8×--16×--32×-- ►

ISO FILE OPERATION

when playing the media with folders, the unit will play the first track in the first folder automatically.
Press the |◀◀ ▶▶|on the remote control or PREV/NEXT buttons on the screen to move the cursor to current folder then press ENTER button on the remote control to be back to folder list.
Note: The unit will play the tracks in next folder after playing the previous folder.

Eject a disc

Press ⏏ button on the unit or on the remote control to eject a disc.

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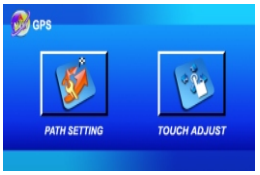
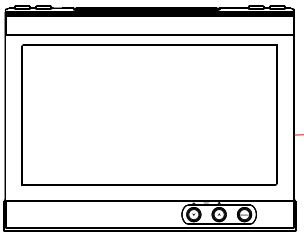
NAVIGATION OPERATION

NAVIGATION OPERATION

The GPS system can navigate with voice, when you do not drive on your preset line, the system will reset the line automatically to get the destination.



Press OPEN button on the unit to open the TFT screen, the SD card slot is on this position (shown as illustration).
It supports SD card with memorized navigation map only.

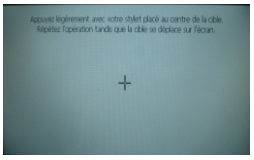


Press SRC button on the unit or on remote control repeatedly to access the navigation mode after insert SD card with stored navigating map.
**Long press SRC/NAV button or Touching NAV item on source selection screen also activate the function.*

Calibration

To avoid the touching effect function invalid ,plese calibrate the touchable screen before perform navigating operation

Press button on the touchable screen and the screen display as following:



Please use something with needle end touching on the ✛ button to finish the calibration.

NOTE

* Touch the selection displayed on screen to perform the corresponding operation
* For more information regarding the NAV. Operation, please refer to the user manual of navigating electronic map.
* Please confirm your place is not under the bridge, on the tunnel or near the building which can inf ect the signal received.
* For safety, please avoid operate the system while driving 。
* GPS system is operated in background at any modes.

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INSTALLATION

Notes

Before finally installing the unit, connect the wiring temporarily, making sure that all connections are correct and the unit and the system are properly working.

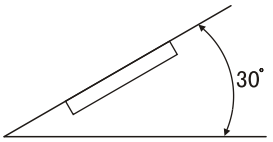
Use only the parts included with unit to ensure proper installation. The use of unauthorized parts can cause malfunctions and can void the guarantee.

Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.

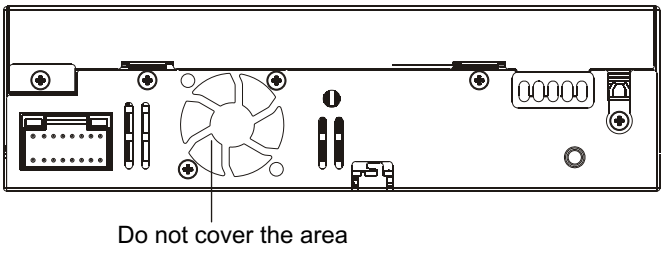
Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop.

The semiconductor laser will be damaged if it overheats, so don't install the unit in high temperature environment -- for instance, near a heater outlet.

If installation angle exceeds 30˚from horizontal, the unit might not give its optimum performance.



The cords must not cover up the area shown in the figure below. This is necessary to allow the amplifires to radiate freely.



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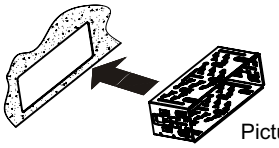
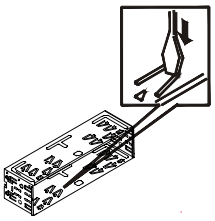
INSTALLATION

INSTALLATION

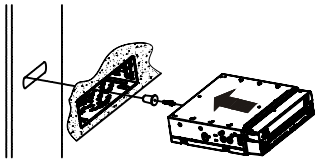
Install the unit
1.Install the mounting bracket into the dashboard of the car. And adjust the mounting bracket to horizontal
2.Fix the mountiong bracket into place by pressing its tags outwards
3.Slide the main unit slowly inside the mounting bracket until the tags on either sides of the bracket lock into the respe-ctive holes on the sides of the main unit.
4.Install the removable trim ring



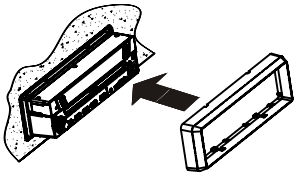
Picture 1



Picture 2

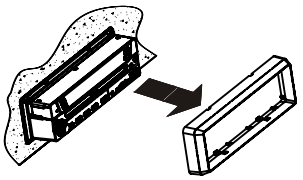


Picture 3

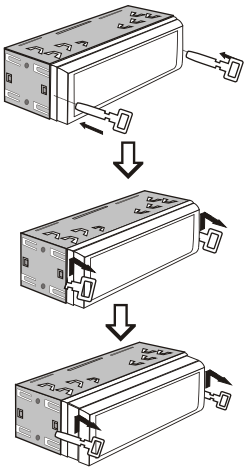


Picture 4

Detach the unit
1.Detach the removable trim ring
2.Insert the keys supplied to the unit at both sides of the unit (shown as illustrated) until they click. Pulling the keys makes it possible to remove the unit from the dashboard.



Picture 1



Picture 2

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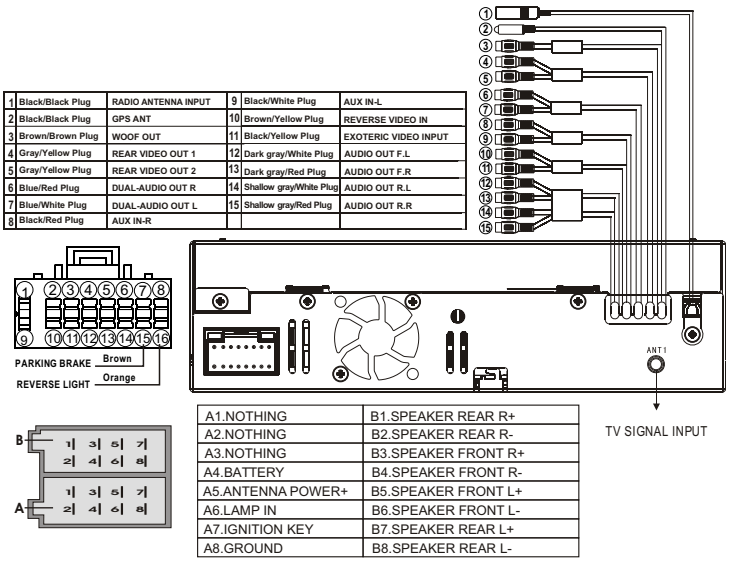
CABLE CONNECTION

CABLE CONNECTION



1	Black/Black Plug	RADIO ANTENNA INPUT	9	Black/White Plug	AUX IN-L
2	Black/Black Plug	GPS ANT	10	Brown/Yellow Plug	REVERSE VIDEO IN
3	Brown/Brown Plug	WOOF OUT	11	Black/Yellow Plug	EXOTERIC VIDEO INPUT
4	Gray/Yellow Plug	REAR VIDEO OUT 1	12	Dark gray/White Plug	AUDIO OUT F.L
5	Gray/Yellow Plug	REAR VIDEO OUT 2	13	Dark gray/Red Plug	AUDIO OUT F.R
6	Blue/Red Plug	DUAL-AUDIO OUT R	14	Shallow gray/White Plug	AUDIO OUT R.L
7	Blue/White Plug	DUAL-AUDIO OUT L	15	Shallow gray/Red Plug	AUDIO OUT R.R
8	Black/Red Plug	AUX IN-R			

A1.NOTHING	B1.SPEAKER REAR R+
A2.NOTHING	B2.SPEAKER REAR R-
A3.NOTHING	B3.SPEAKER FRONT R+
A4.BATTERY	B4.SPEAKER FRONT R-
A5.ANTENNA POWER+	B5.SPEAKER FRONT L+
A6.LAMP IN	B6.SPEAKER FRONT L-
A7.IGNITION KEY	B7.SPEAKER REAR L+
A8.GROUND	B8.SPEAKER REAR L-

ACCESSORIES

Mounting Bracket (Half Sleeve) ----------X1

Mounting Screw M5 ----------X1

Remote Control ----------X1

Mount Strap---------- X1

AV cable ----------X1

Removable Trim Ring equipped on the unit ----------X1

Rubber ----------X1

Release key ----------X2

Screws ----------X 4

GPS antenna ----------X1

Wire connector ----------X1

Operation manual ----------X1

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SPECIFICATION

GENERAL

power requirement ---------- DC/12V(10.8~16V)
grounding system ----------negative type
max: current consumption ---------- 15 ADC
max: power output ---------- 4X50W
load impedance ---------- 4Ω（4-8Ω）
dimensions----------178X165X50MM
weight----------2.6KG

DVD PLAYER

S/N ratio ----------more than 70dB(1kHz)
dynamic range ----------more than 70dB(1kHz)
distortion ----------less than 0.2%
video output ---------- 1.0Vp--p±0.2V/75Ω
audio output (RCA) ---------- 1.5Vrms±0.3V 10KΩ

FM TUNER

frequency range ----------65.0~74.0/87.5~108.0MHz
usable sensitivity ----------10dB
S/N ratio ---------- 55dB(mono)
distortion ----------0.5%(mono)
stereo separation ---------- ---- 30dB(1kHz)

MW TUNER

frequency range ---------- 522~1620kHz
usable sensitivity ---------- 30dB
signal-to-noise ratio ---------- 50dB

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TROUBLE SHOOTING

Common problems

Symptom	Cause	Remedy
Power doesn't switch ON . The unit doesn't operate.	Leads and connectors are incorrectly connected	Confirm once more that all connections are correct
	A fuse has blown	Fix the problem causing the blown fuse and replace the old fuse with a new one of the same capacity
	Noise and other factors are causing the built-in micropro-cessor to operate incorrectly	Reset the unit
Operation with the remote control isn't possible	The remote control operation mode is incorrect	Switch to the correct remote control mode
	Battery power is low	Load new batteries
	Some operations are prohibited with certain discs	Check using another disc
Playback is not possible.	The disc is dirty	Clean the disc
	The loaded disc is a type this unit cannot play	Check what type the disc is
	Non compatible video system disc is loaded	Change to a disc compatible to your video system
There's no sound	Connections are incorrect.	Check connections
	With some discs,96kHz output is prohibited.	Switch the output setting to 48 Khz
	The unit is performing still F.FWD or F.REV playback	There is no sound during still F.FWD , F.REV playback
The prohibited mark ⊘ is displayed and operation is not possible	The operation is prohibited for the disc	This operation is not possible
	The operation is not compatible with the disc's organization	This operation is not possible
The picture stops (pauses) and the unit cannot be operated	Reading of data has become impossible during playback	After pressing ■ once start playback once more
There's no sound Volume level is low	The volume level is low	Raise the volume level
There's audio and video skipping	This unit is not firmly secured	Secure this unit firmly
The picture is stretched the aspect is incorrect	The aspect setting is incorrect for the display	Select the appropriate setting for your display
When the ignition switch is turned ON (or turned to ACC), the motor sounds	This unit confirms whether a disc is loaded or not	This is a normal operation

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TROUBLE SHOOTING

Problem during DVD playback

Symptom	Cause	Remedy
Playback is not possible	The loaded disc has a different region number from this unit	Replace the disc with one featuring the same region number as this unit
Dialog language (and subtitle language) can not be switched.	The DVD playing does not feature multiple language recordings.	You cannot switch among multiple languages if they aren't recorded on the disc
	You can only switch between options indicated in the disc menu	Switch using the disc menu
No subtitles are displayed	The DVD playing does not feature subtitles	Subtitles are not displayed if they are not recorded on the disc
	You can only switch between options indicated in the disc menu	Switch using the disc menu
Playback is not with the audio language and subtitle language settings selected in SET UP MENU	The DVD playing does not feature dialog or subtitles in the language selected in the SET UP MENU	Switching to a selected language is not possible if the language selected in the SET UP MENU is not recorded on the disc
The picture is extremely unclear/distorted and dark during playback	The disc features a signal to prohibit copying (some discs may have this)	Since this unit is compatible with the copy guard analog copy protect system. when playing a disc that has a signal prohibiting copying the picture may suffer from horizontal stripes or other imperfections when viewed on some displays. This does not mean this unit is malfunctioning.

Problem during Video CD playback

Symptom	Cause	Remedy
The PBC(playback control) menu display cannot be called up.	The video CD playing does not feature PBC	This operation is not possible with video Cds not featuring PBC
	PBC is switched OFF	Switch PBC ON
Repeat play and track/time search are not possible	PBC is switched ON	Switch PBC OFF.

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